

FIG. 1A

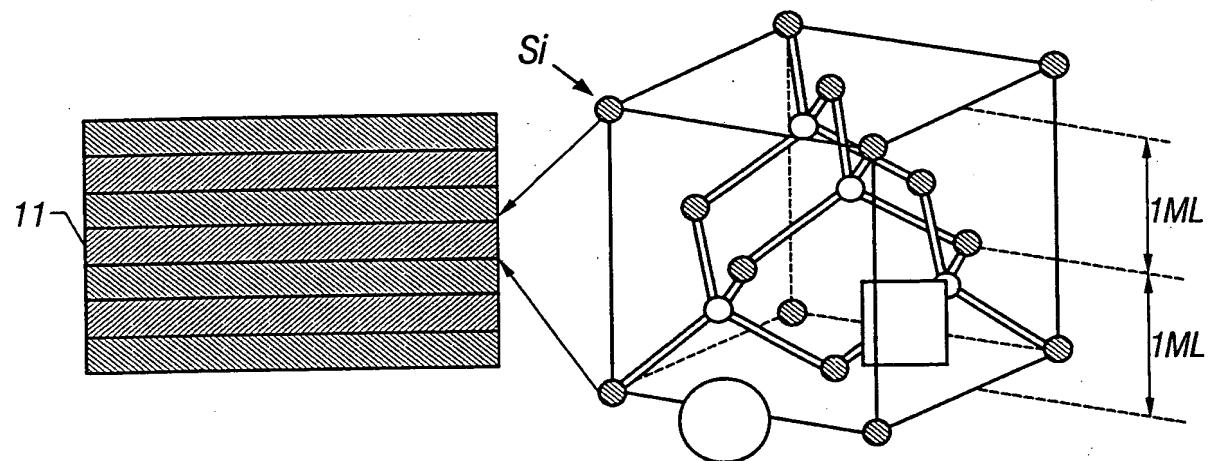


FIG. 1B

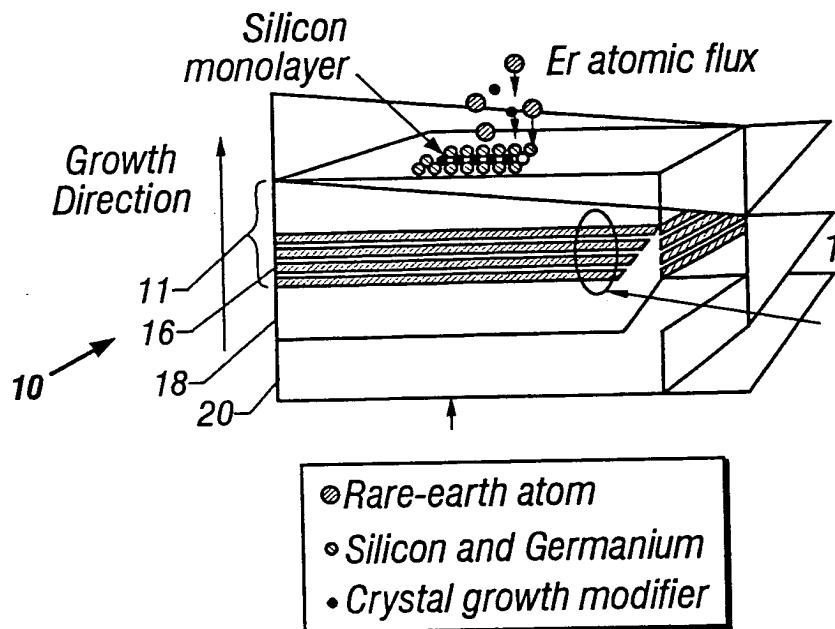


FIG. 2A

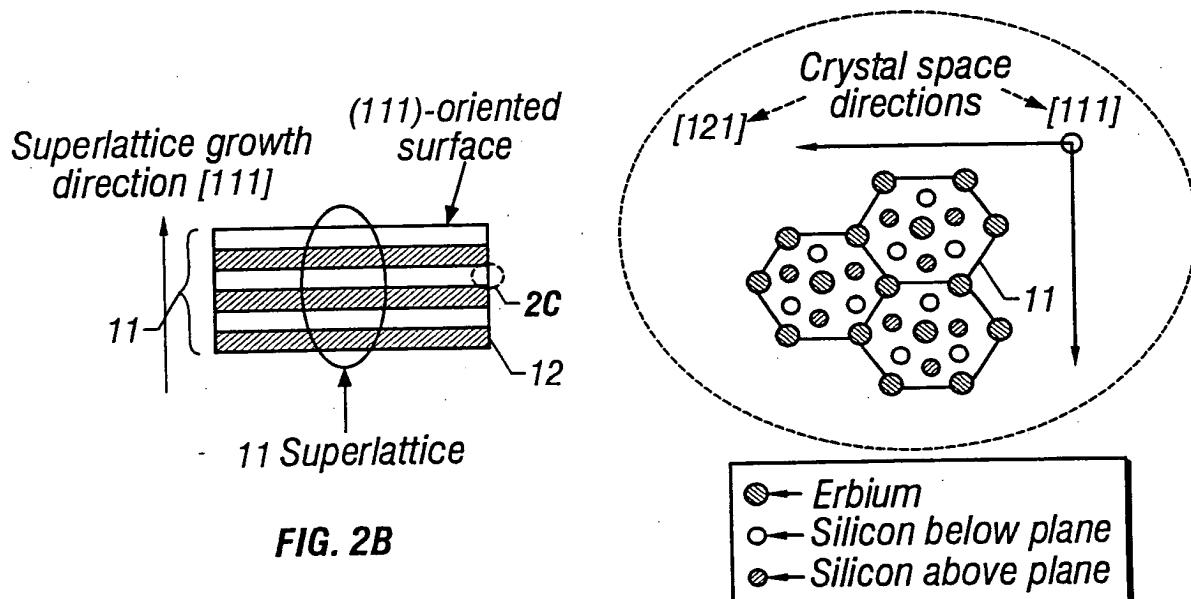


FIG. 2B

FIG. 2C

Energy

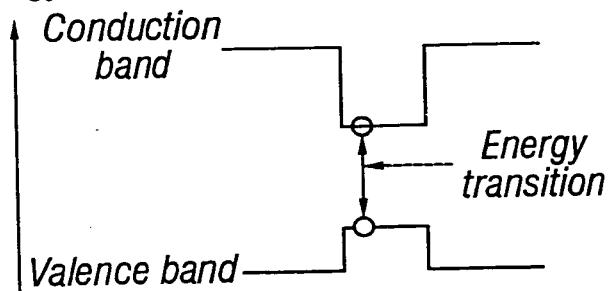


FIG. 2D-1

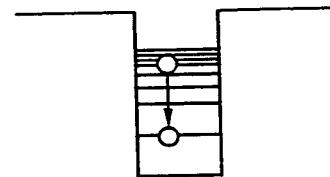


FIG. 2D-2

Applied voltage and or current for application of external electric field and electrical carrier injection extraction

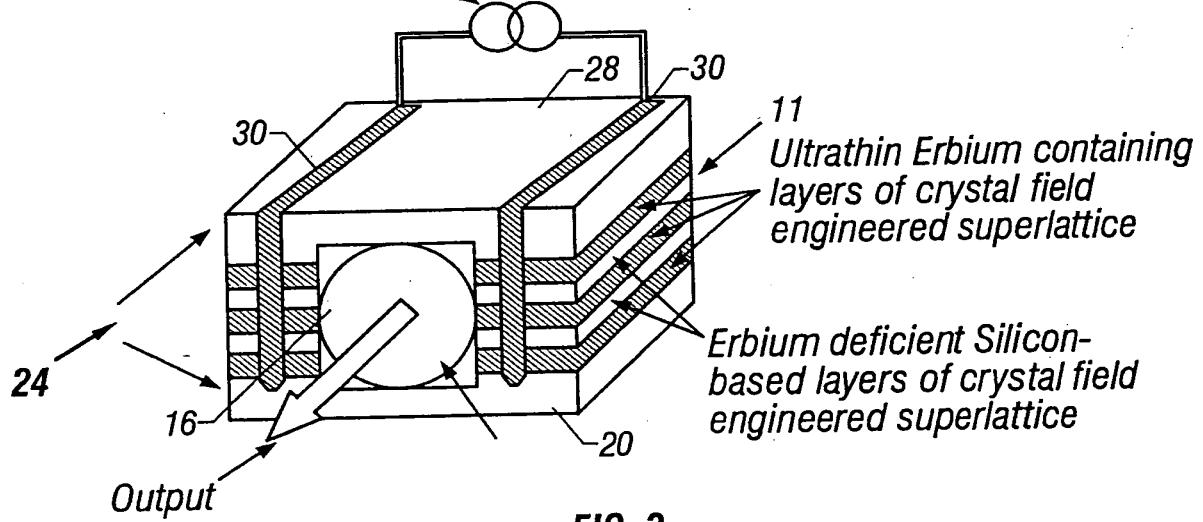


FIG. 3

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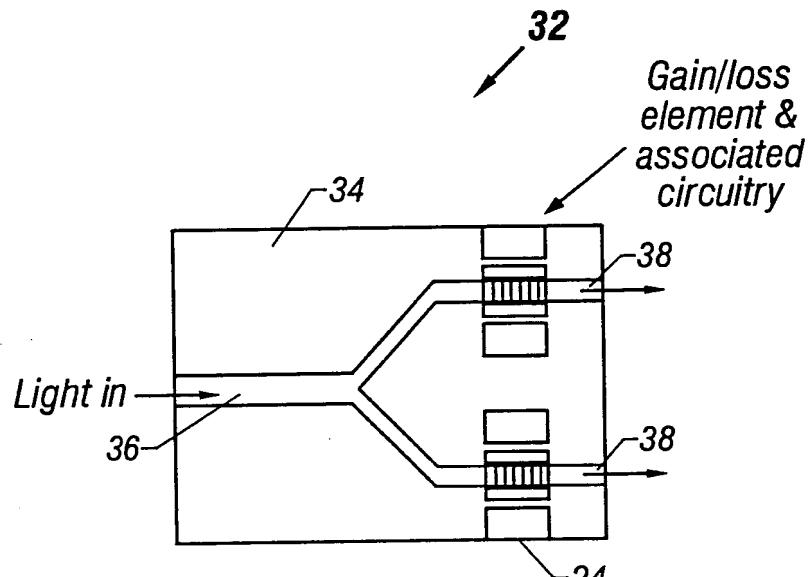


FIG. 4A

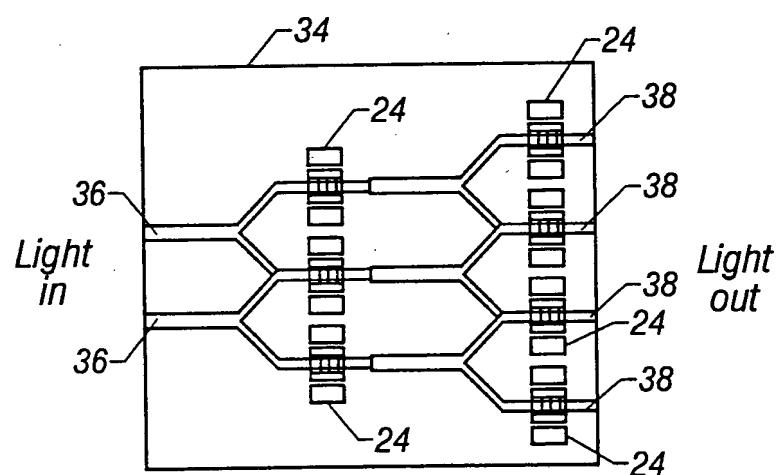


FIG. 4B

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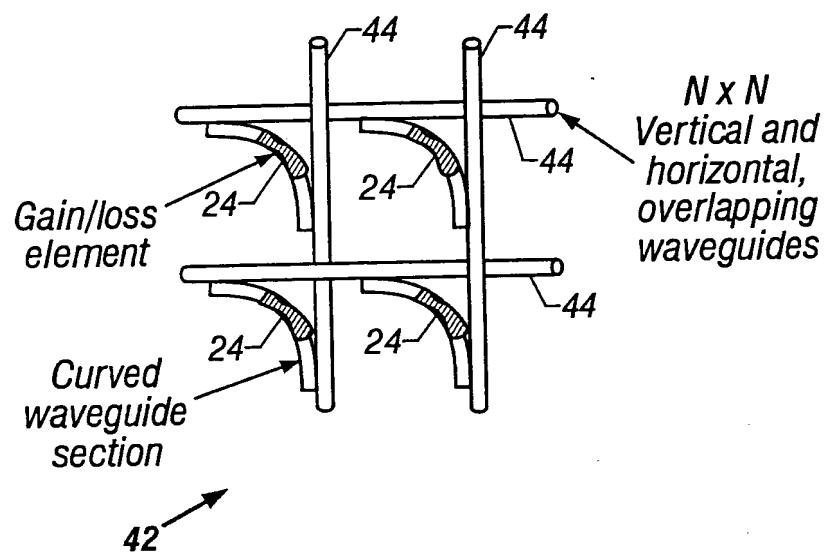


FIG. 5

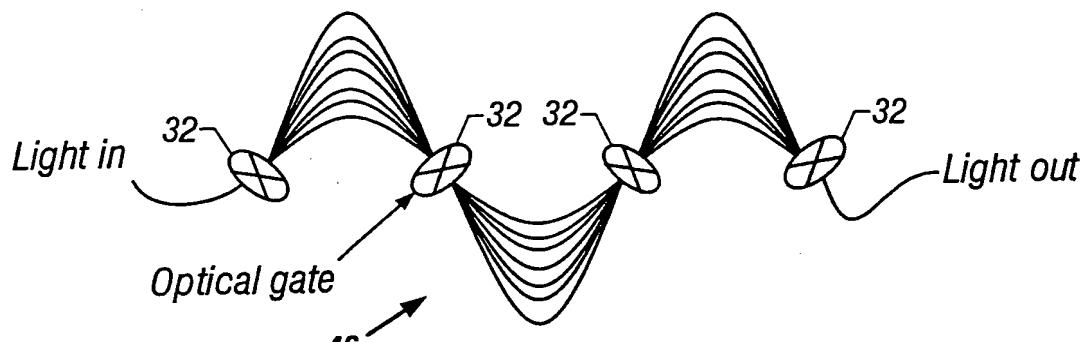


FIG. 6

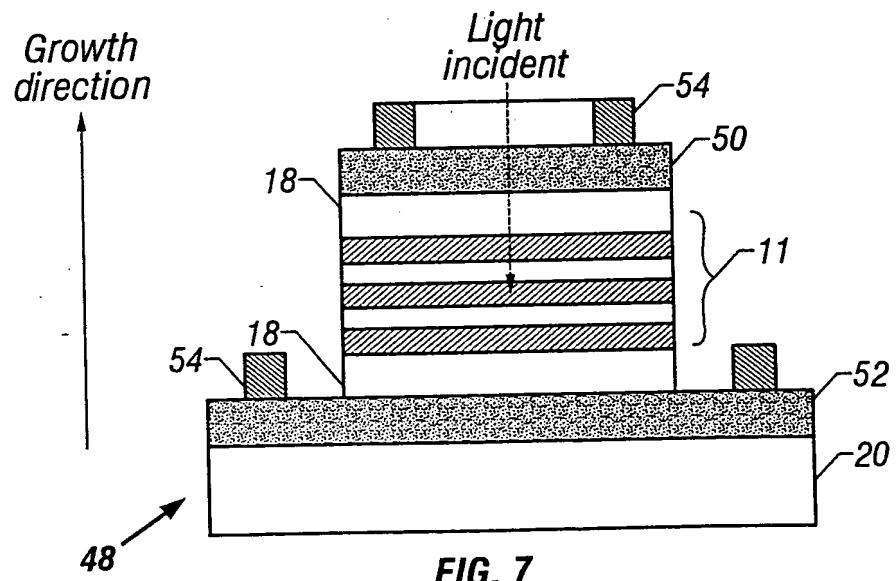
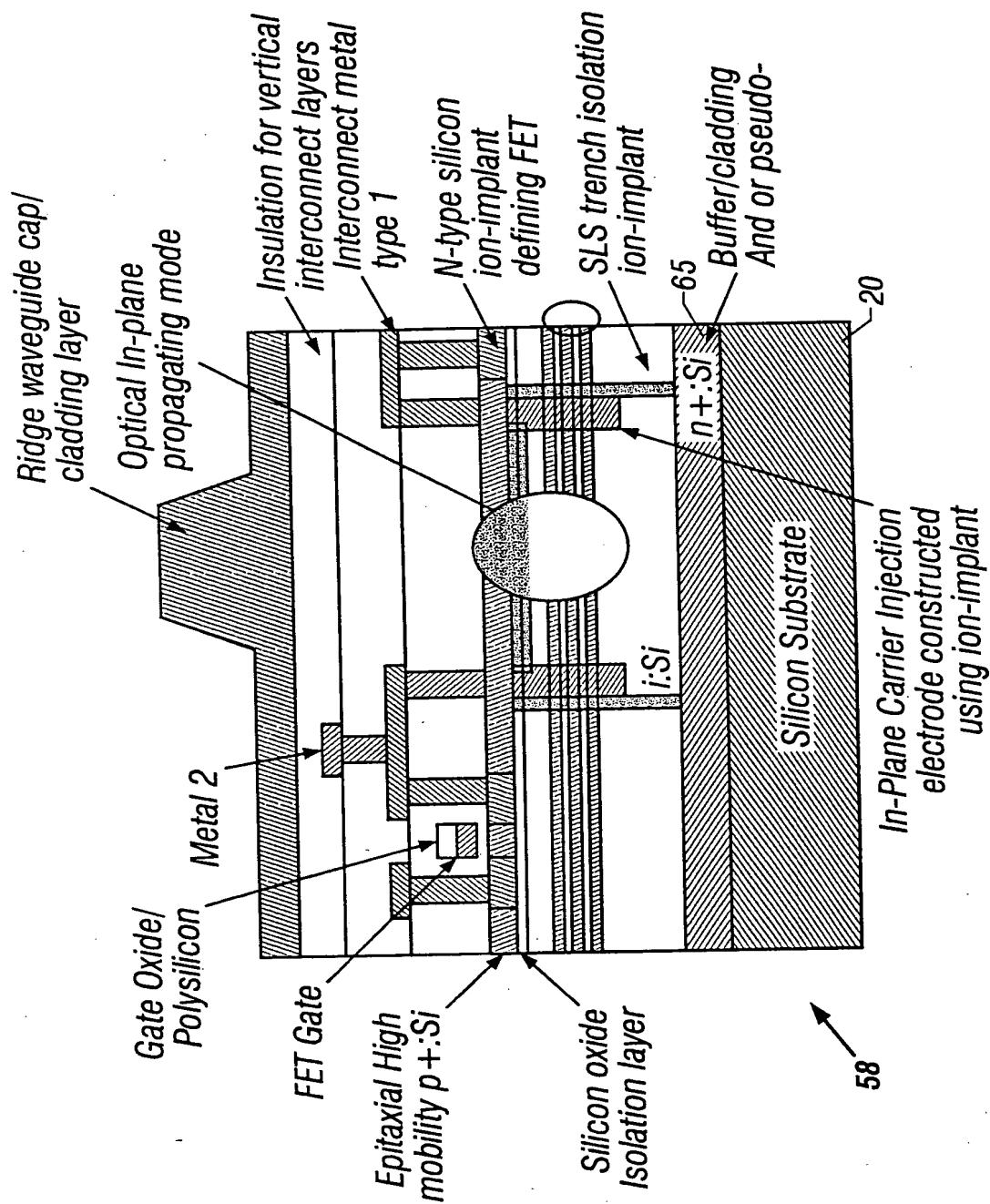


FIG. 7



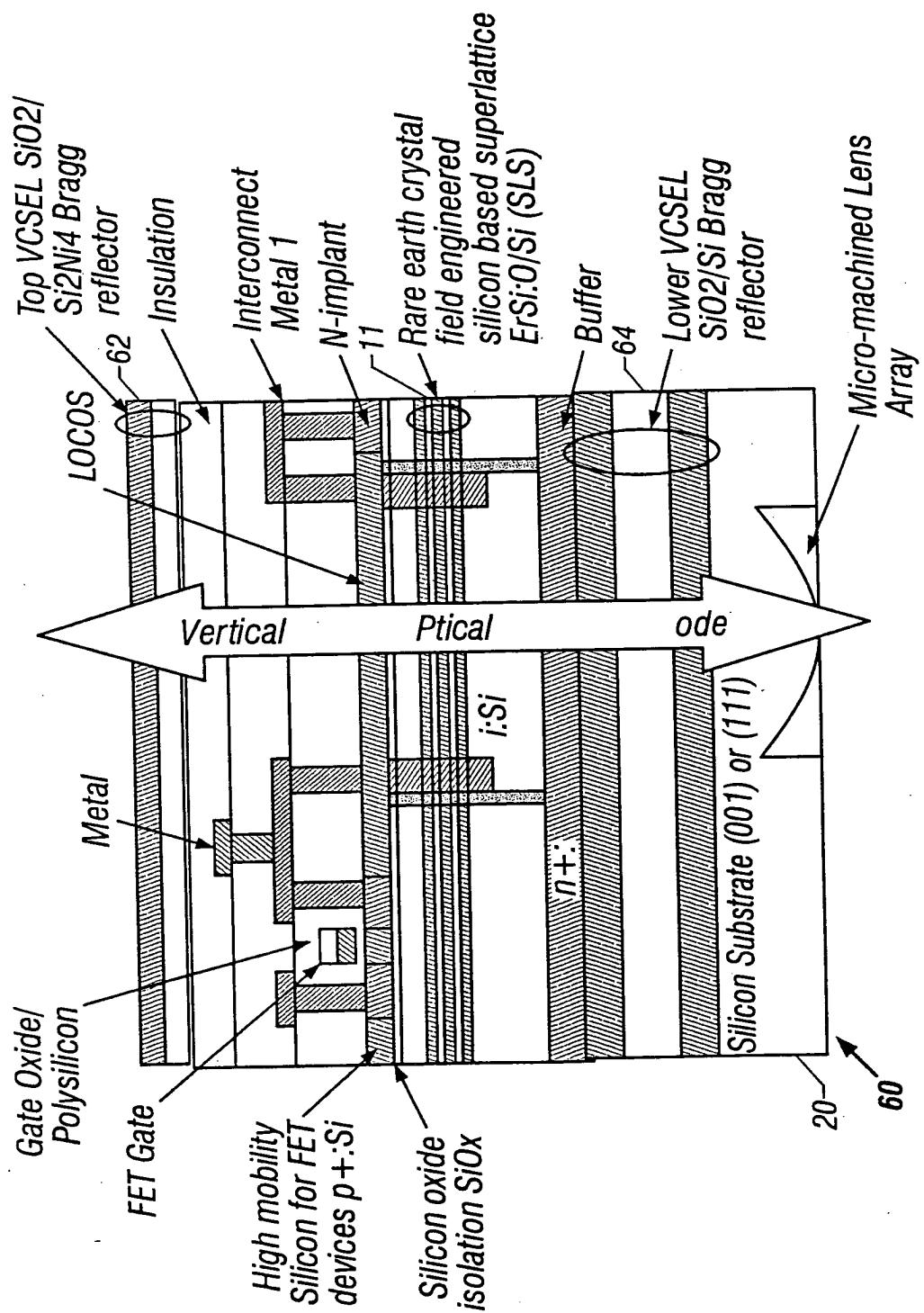


FIG. 9

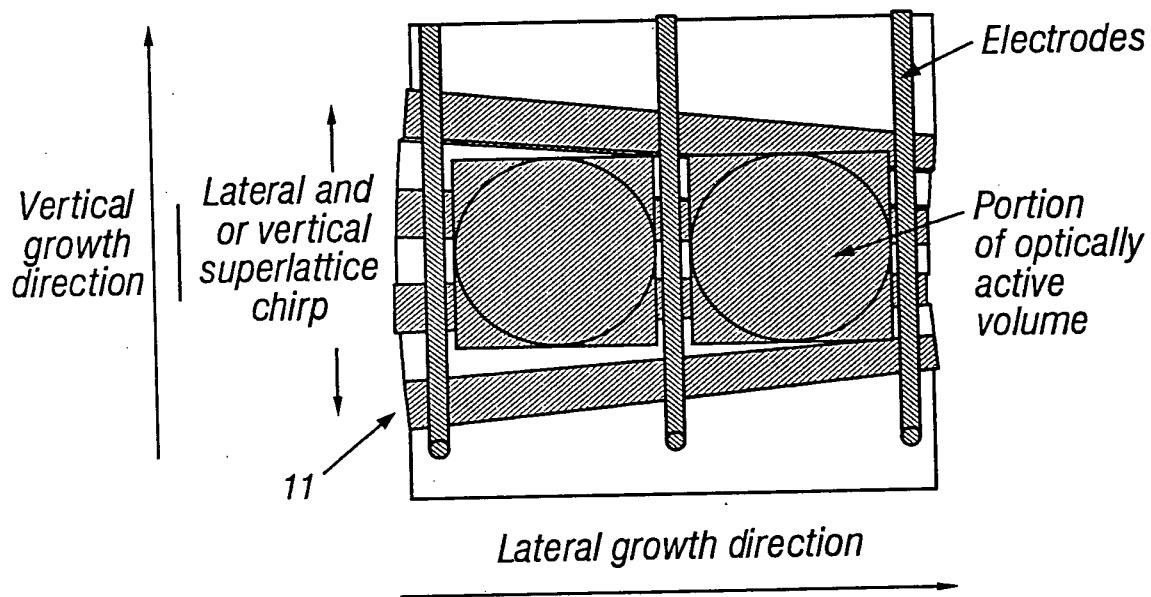


FIG. 10

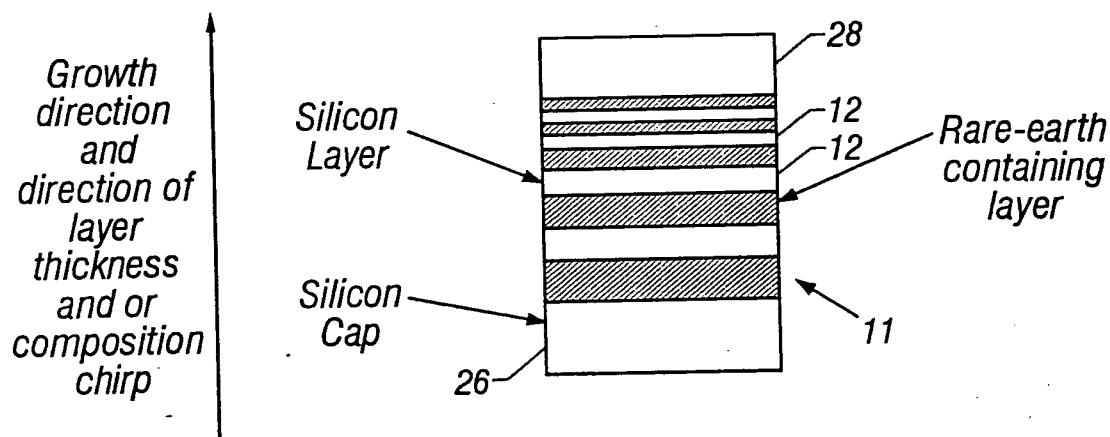


FIG. 11

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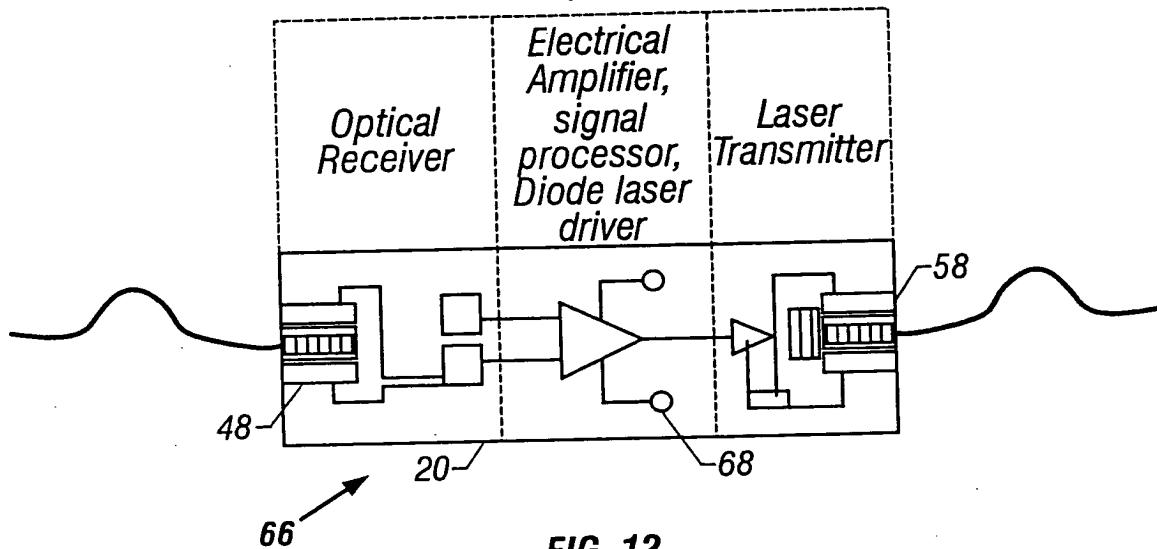


FIG. 12

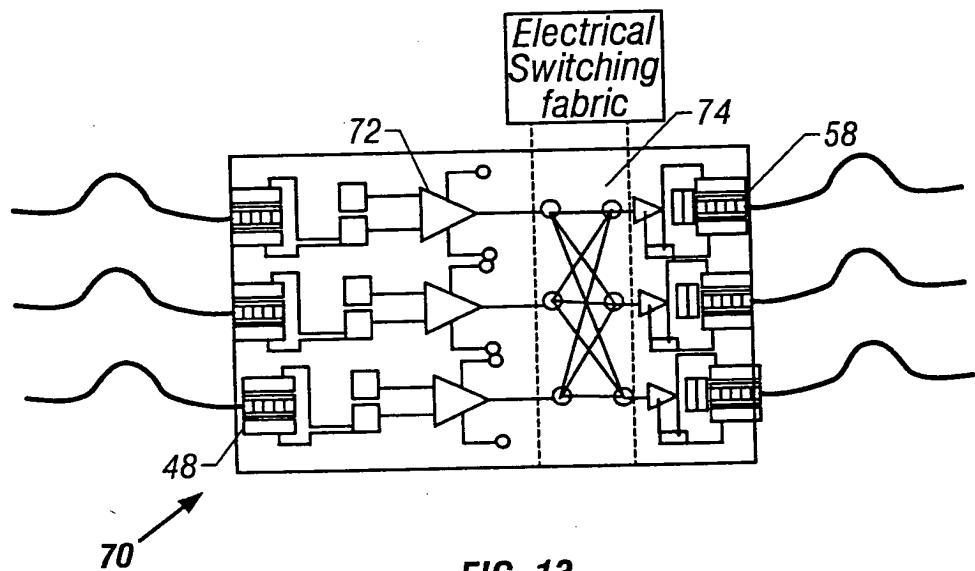


FIG. 13

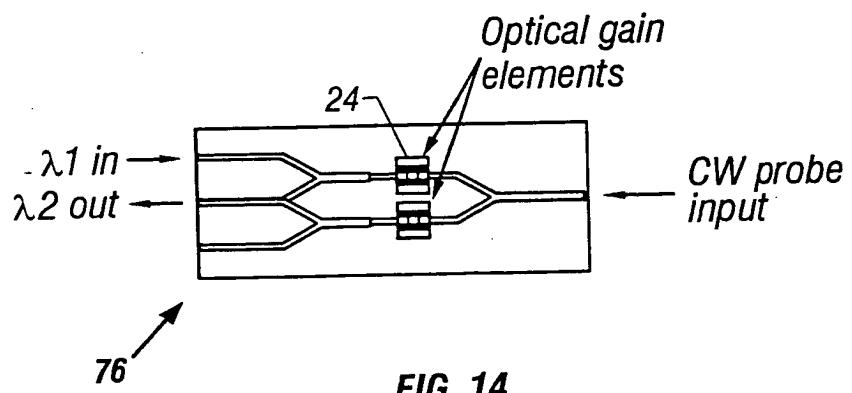


FIG. 14

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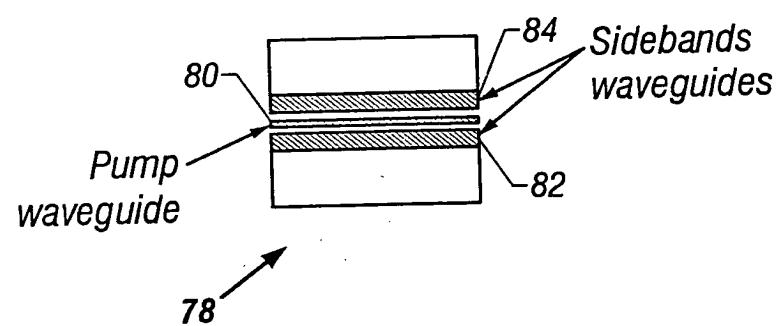


FIG. 15

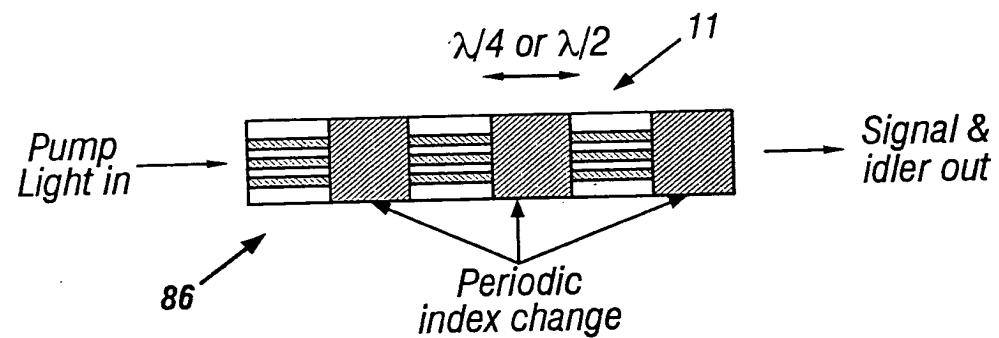


FIG. 16

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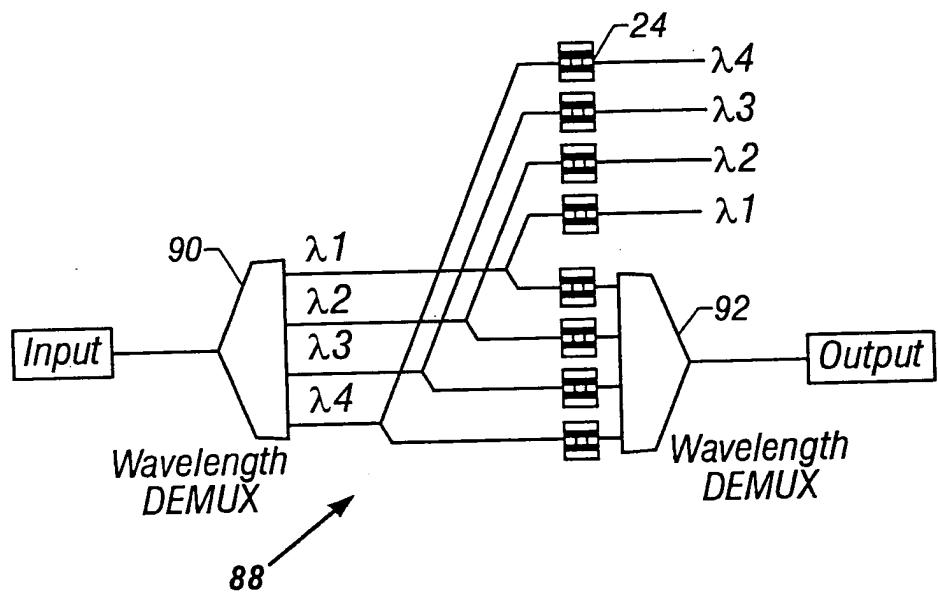


FIG. 17

Ion-implanted or etched cylinders with periodic arrangement

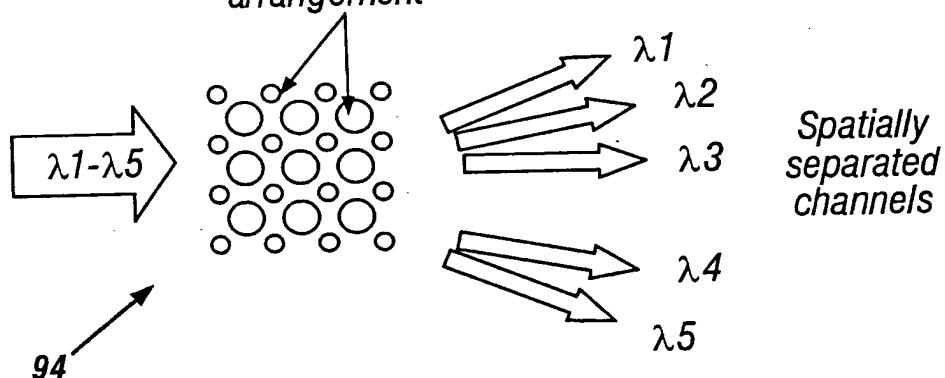


FIG. 18

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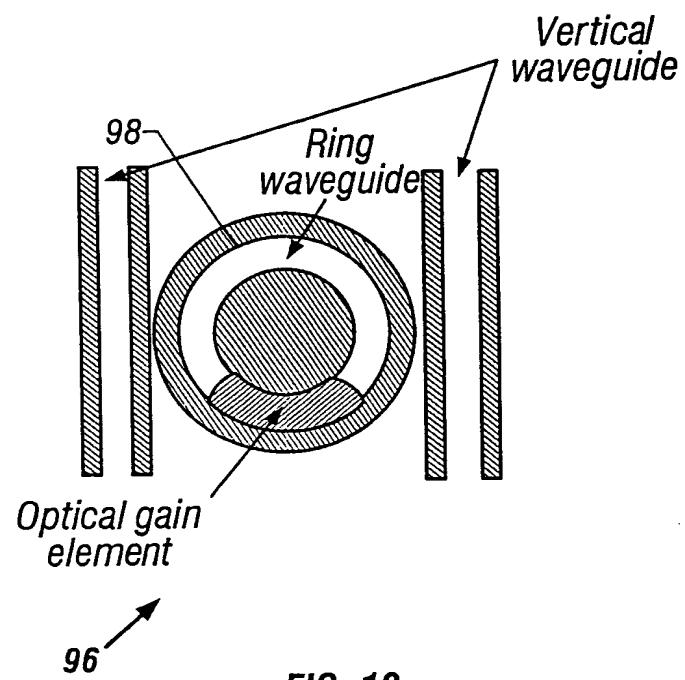


FIG. 19

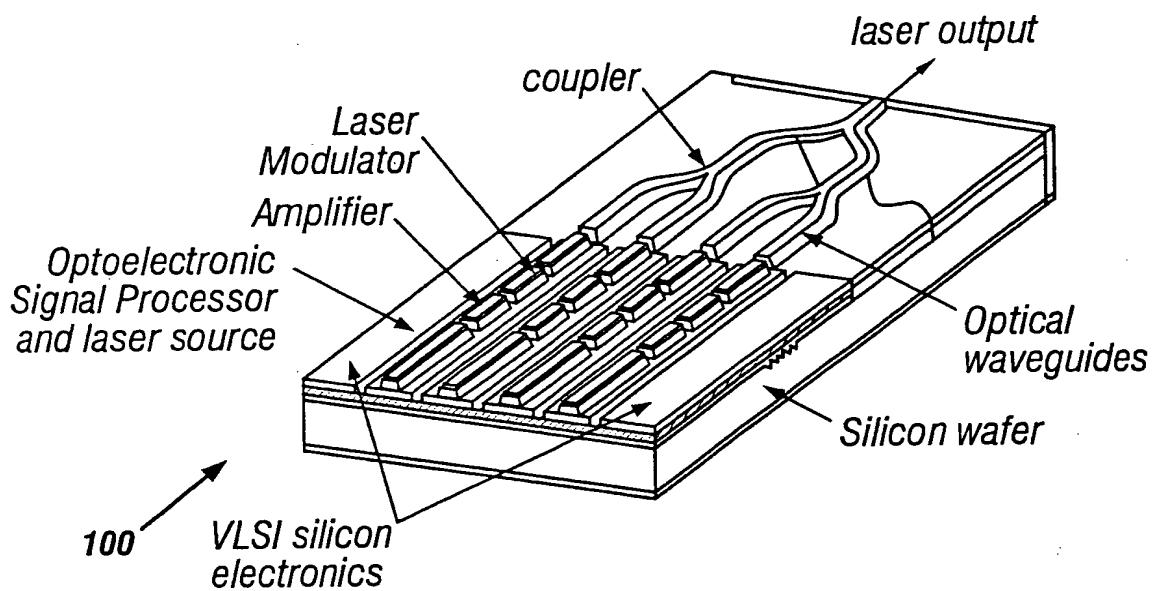


FIG. 20